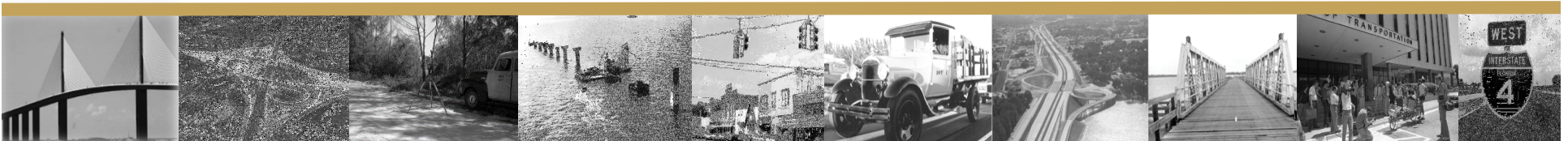




Basics Corridor Modeling in FDOTSS4

Vern Danforth

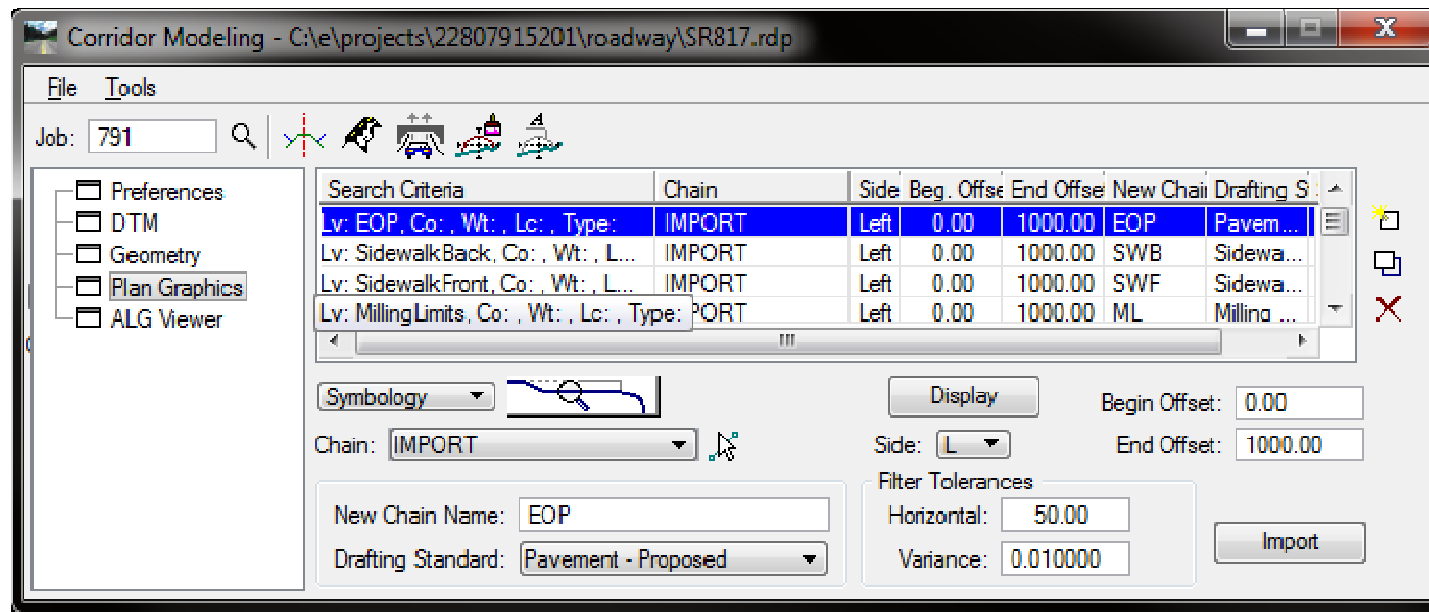
Wednesday, June 10, 2014, 10:15am



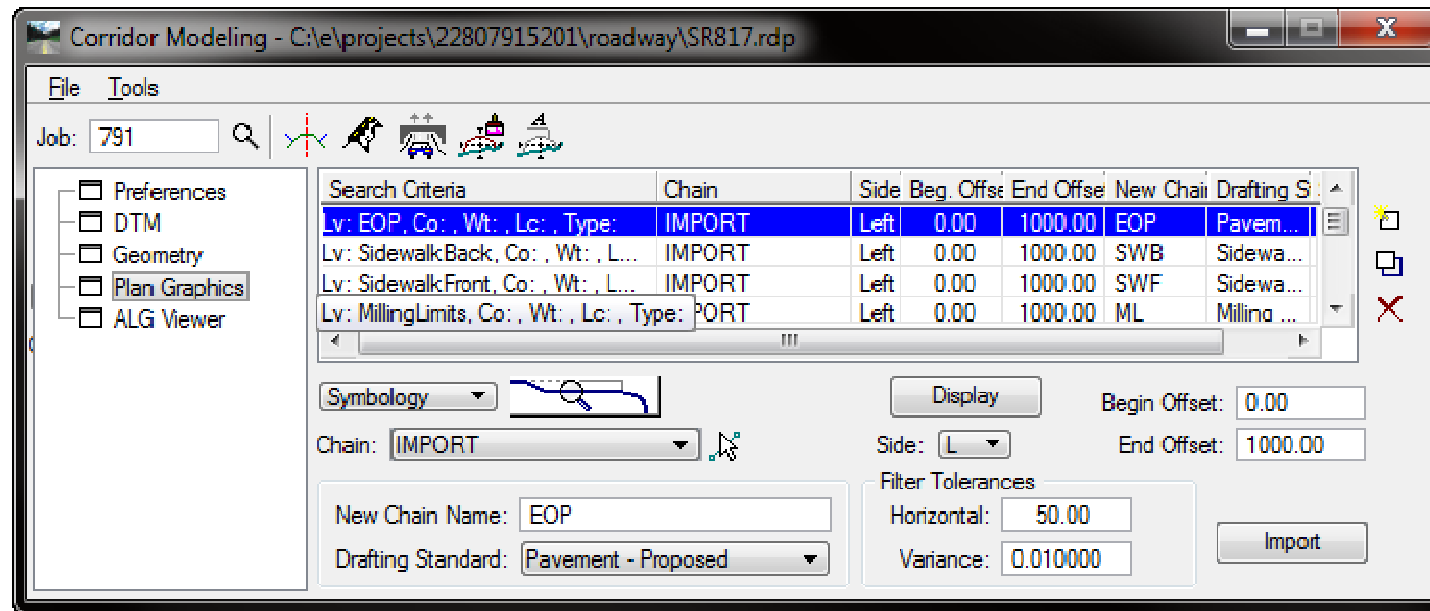
Innovative Solutions for tomorrow's transportation needs

Legacy Tools

- Corridor Modeling Preferences
 - Import TIN
 - Import Plan Graphics
 - Import Chains and Profiles

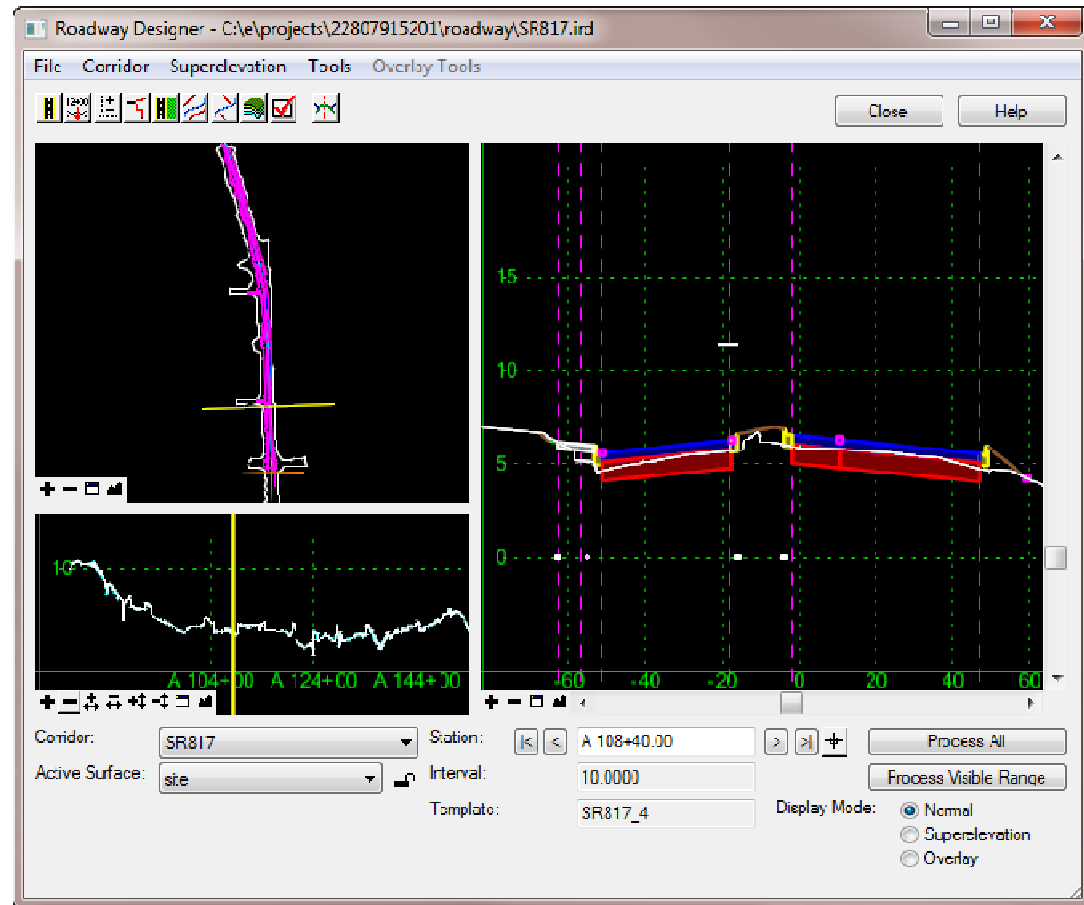


Legacy Tools

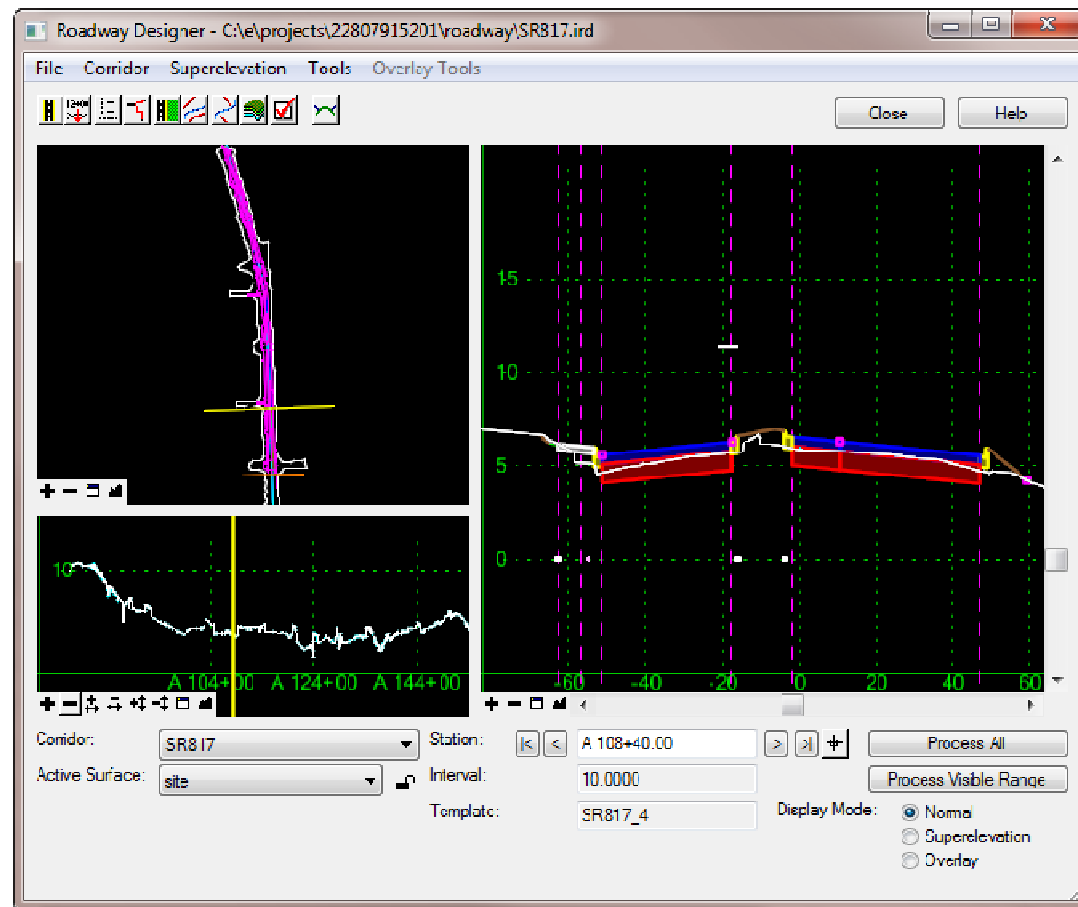


Legacy Tools

- Roadway Designer
 - Create Corridor
 - Create Template Drop
 - Parametric Constraint
 - Create Point Control

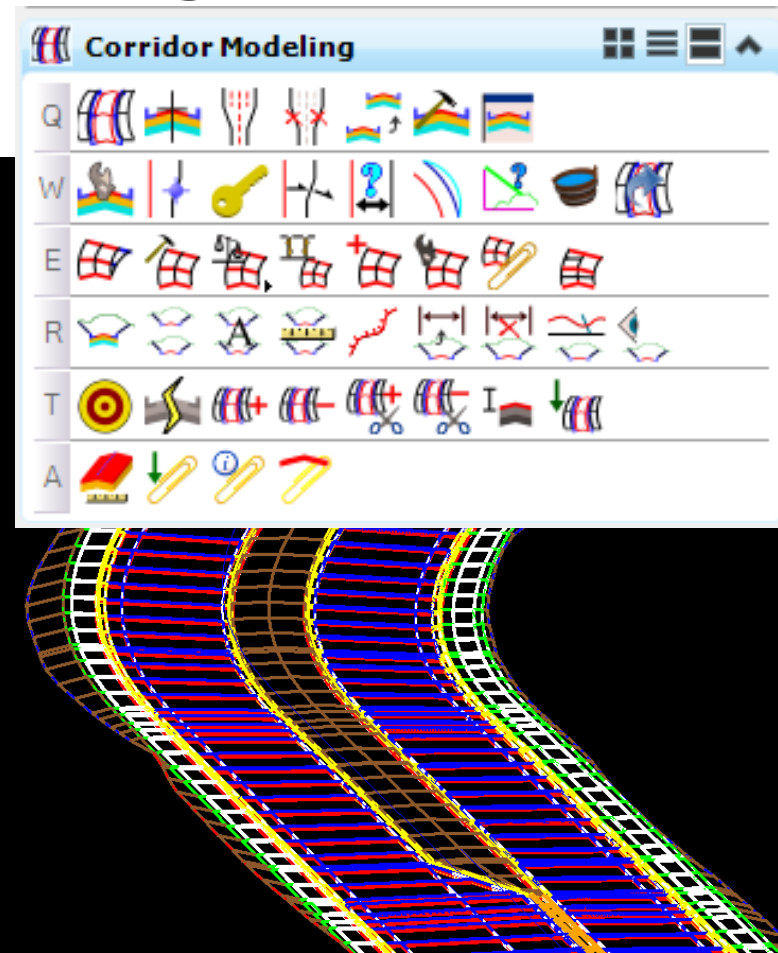


Legacy Tools

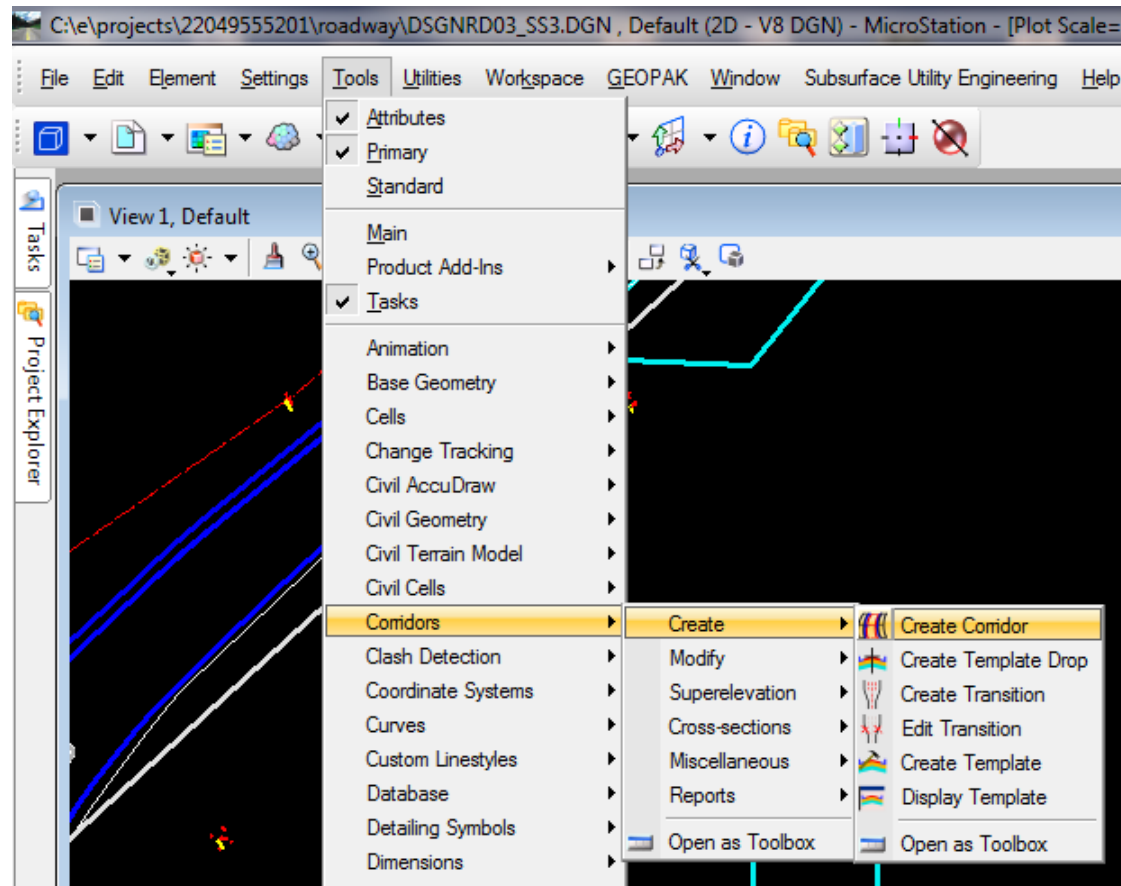


SS4 Corridor Modeling Tools

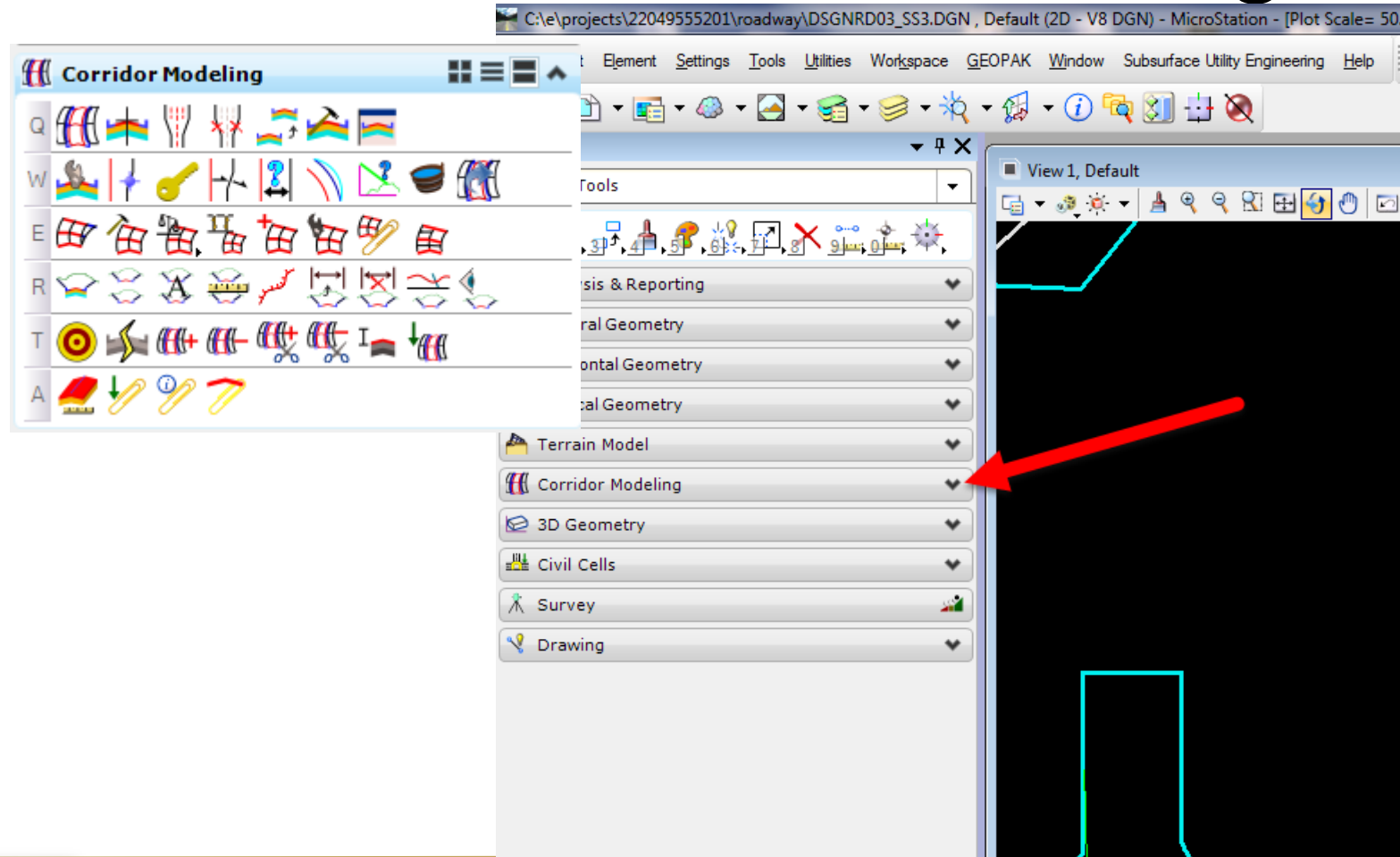
- [Create Corridor](#)
- [Create Template Drop](#)
- [Create Templates](#)
- [Add Corridor Reference](#)
- [Create Parametric Constraint](#)
- [Create Point Control](#)
- [Corridor Objects](#)
- [Project Explorer](#)



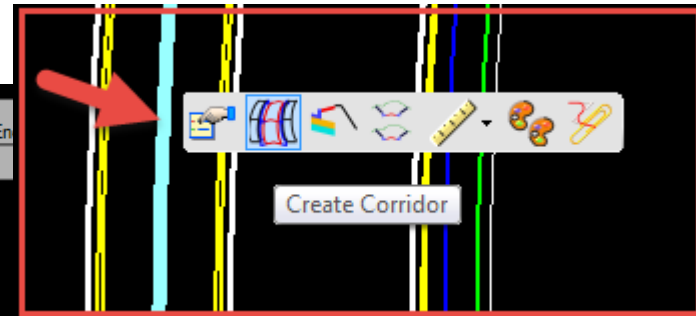
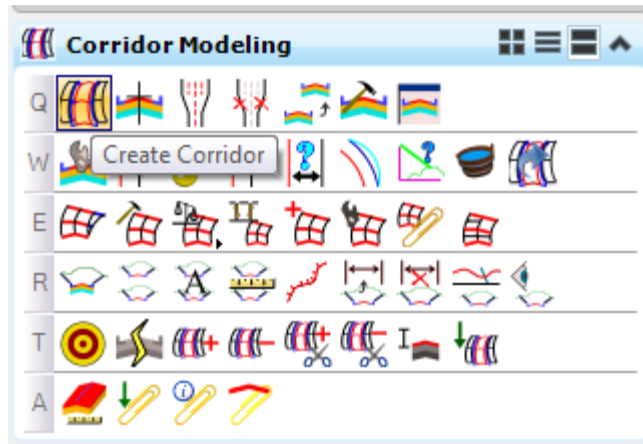
Civil Tools - Corridor Modeling



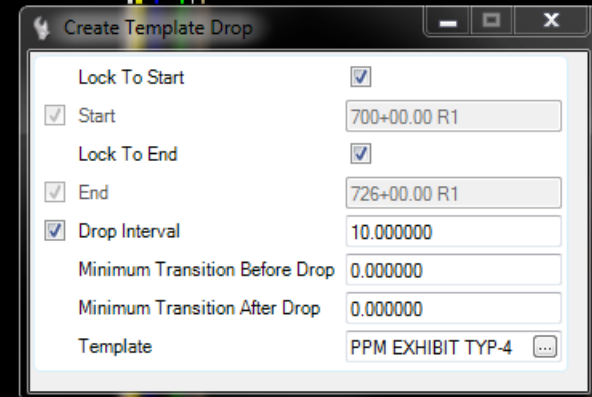
Civil Tools - Corridor Modeling



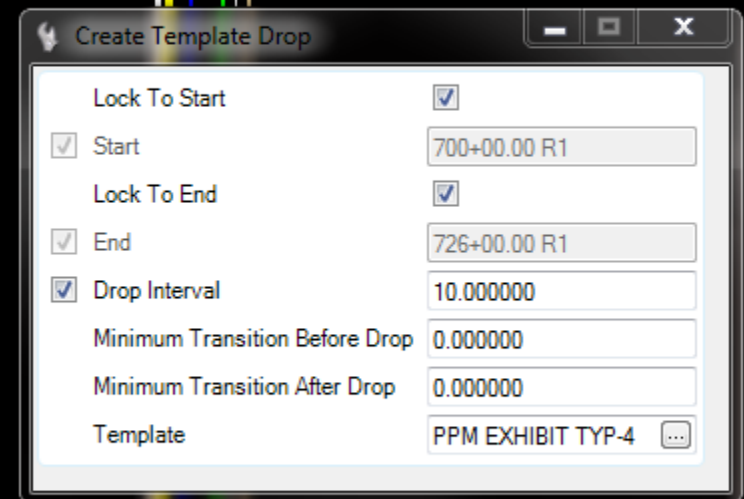
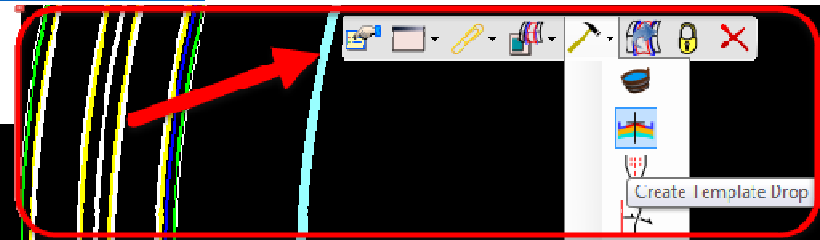
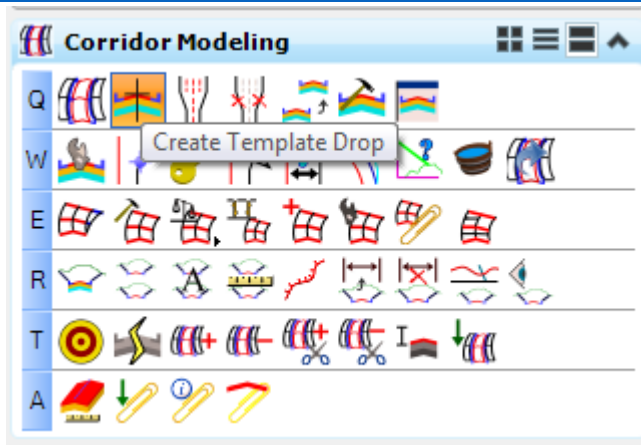
Create Corridor



Locate CL-CONSTR

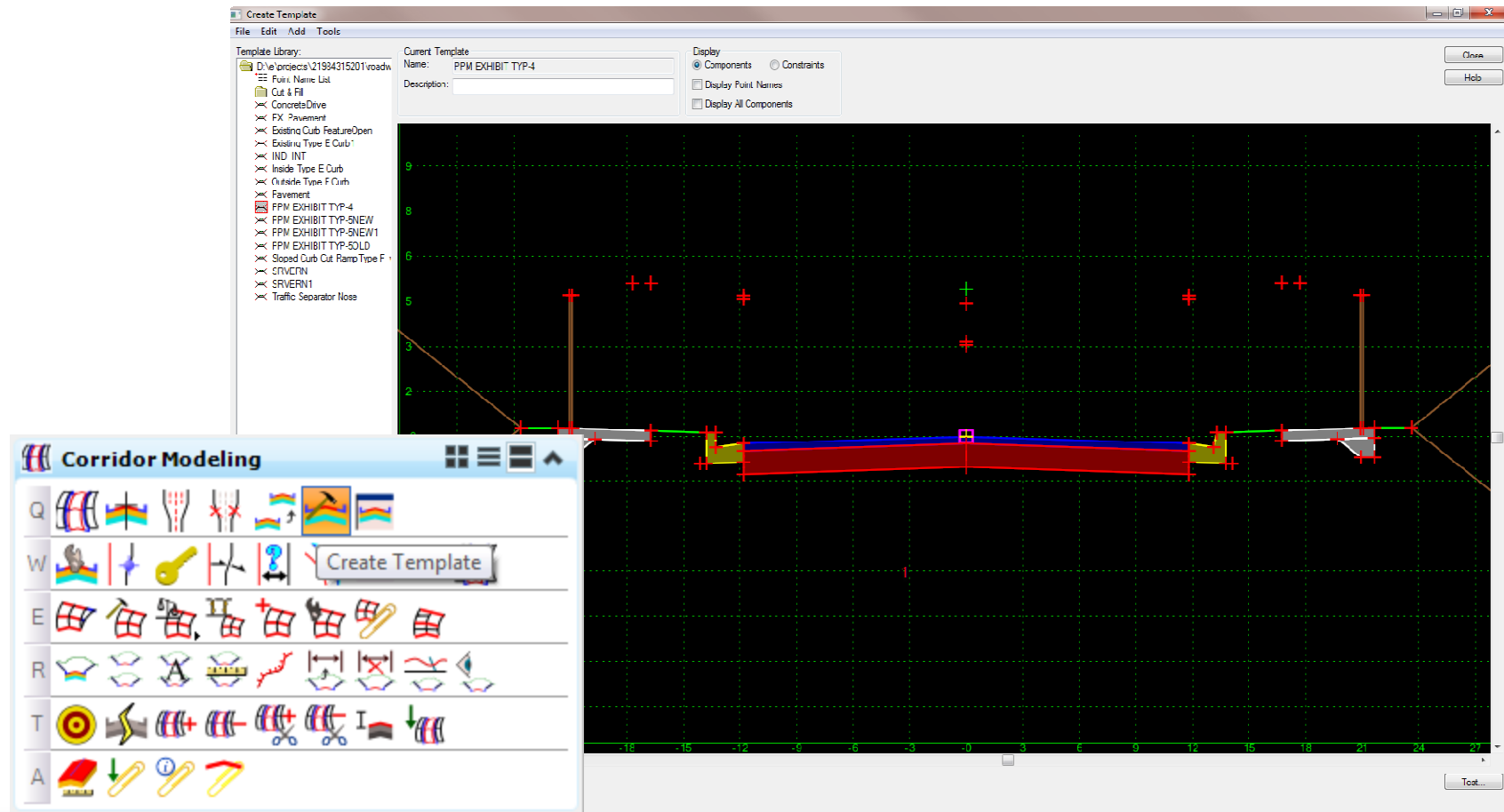


Create Template Drop

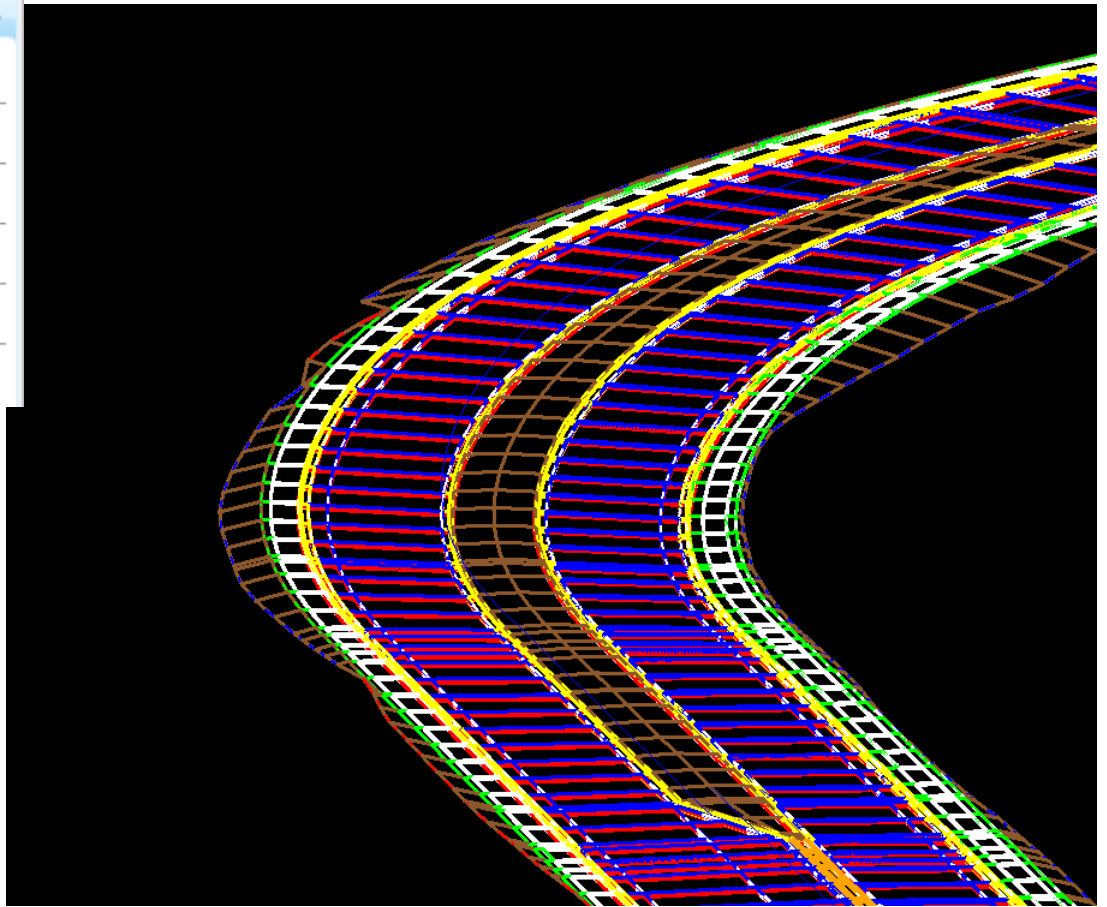
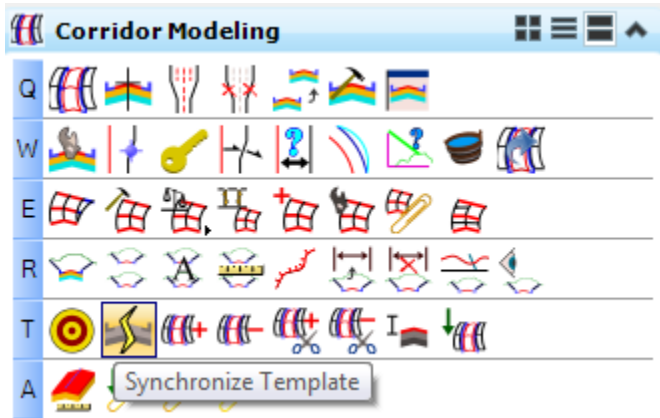


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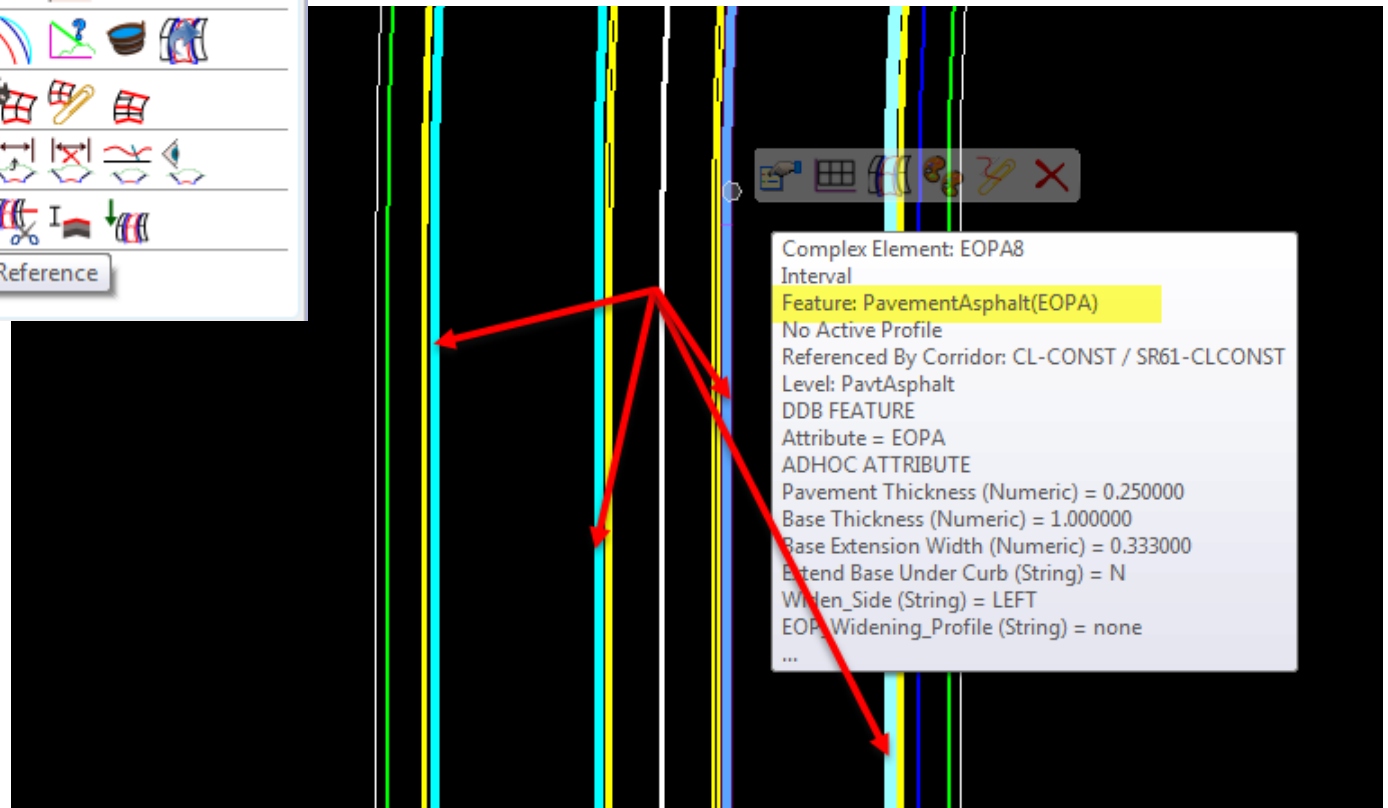
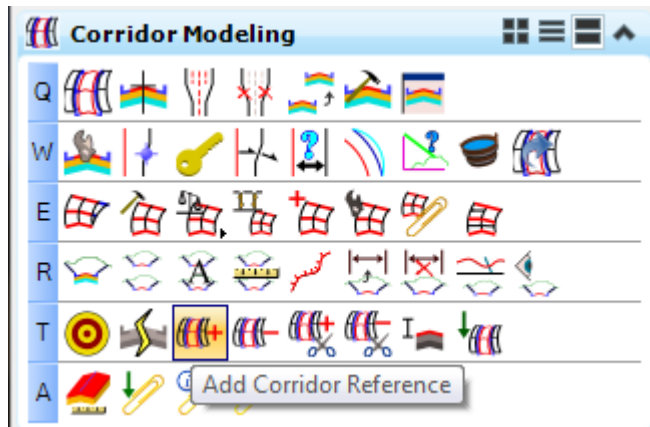
Create Templates



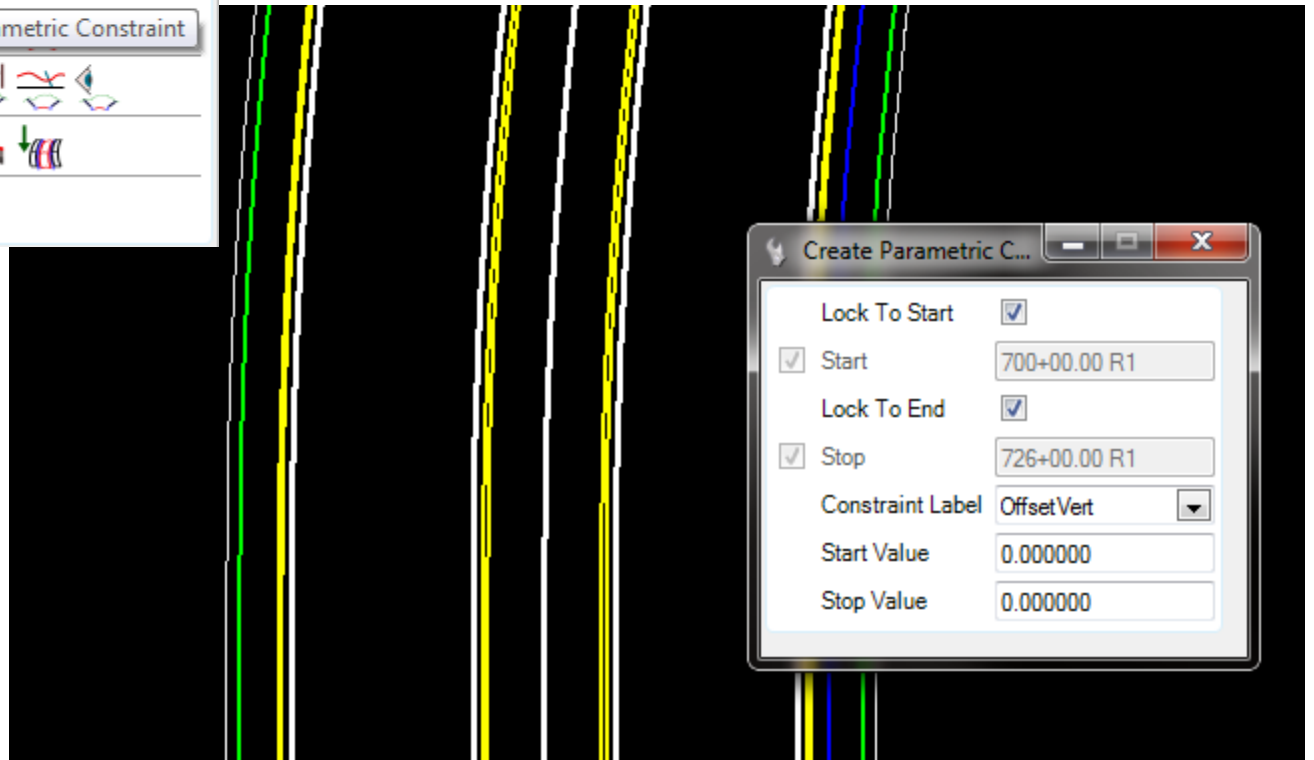
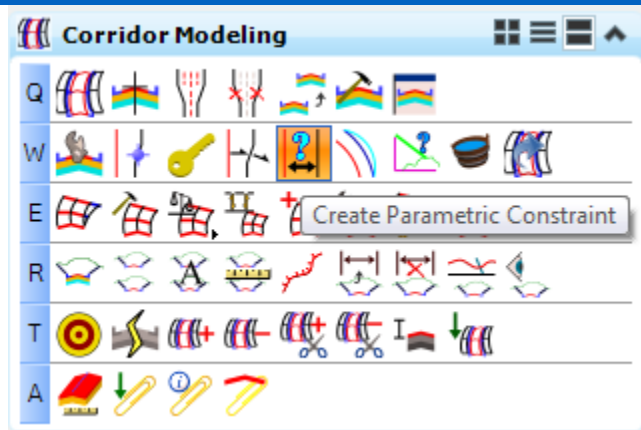
Synchronize Template



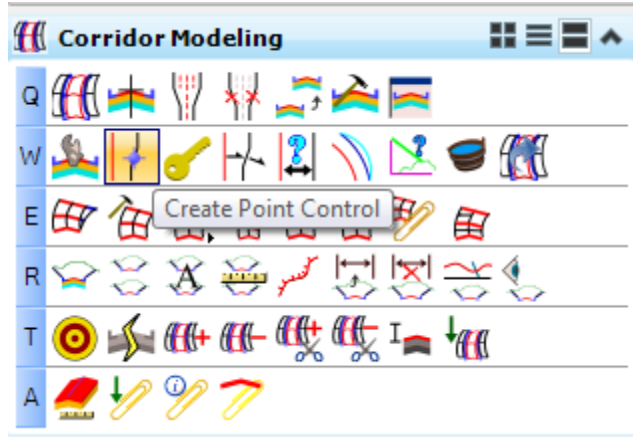
Add Corridor Reference



Create Parametric Constraint



Create Point Control



Create Point Control

Lock To Start ☒

☒ Start 700+00.00 R1

Lock To End ☒

☒ Stop 726+00.00 R1

Control Description LT_PGL

Point LT_PGL_IN

Mode Horizontal

Control Type Linear Geometry

Plan Element

Use as Secondary Alignment ☐

Priority 1

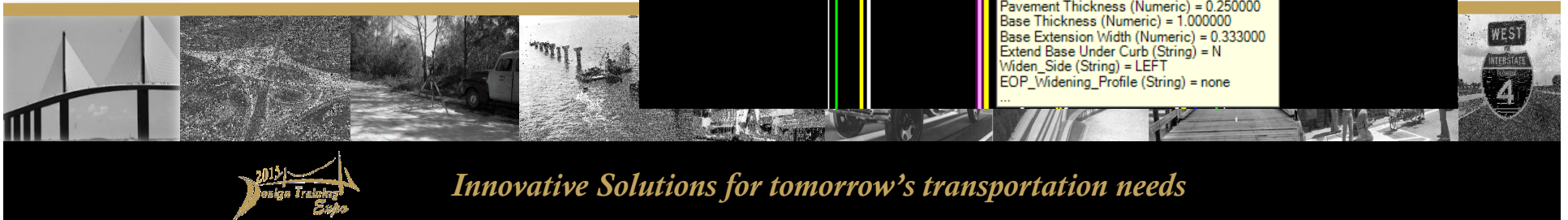
Horizontal Offsets

Start 0.000000

Stop 0.000000

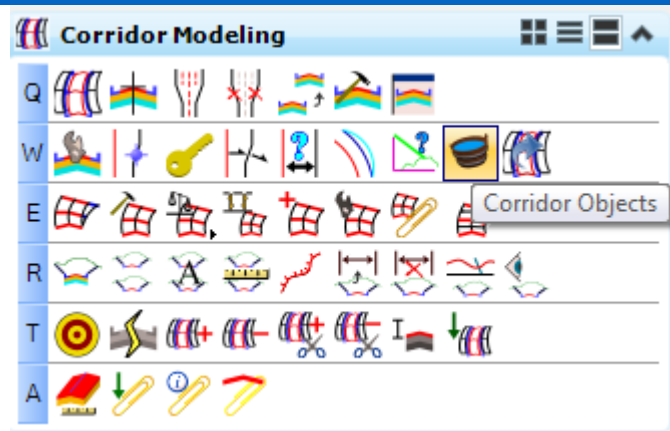
Locate Plan Or Profile Element

Complex Element: EOPA11
Interval
Feature: PavementAsphalt(EOPA)
No Active Profile
Referenced By Corridor: CL-CONST / SR61-CLCONST
Level: PavtAsphalt
DDB FEATURE
Attribute = EOPA
ADHOC ATTRIBUTE
Pavement Thickness (Numeric) = 0.250000
Base Thickness (Numeric) = 1.000000
Base Extension Width (Numeric) = 0.333000
Extend Base Under Curb (String) = N
Widen_Side (String) = LEFT
EOP_Widening_Profile (String) = none

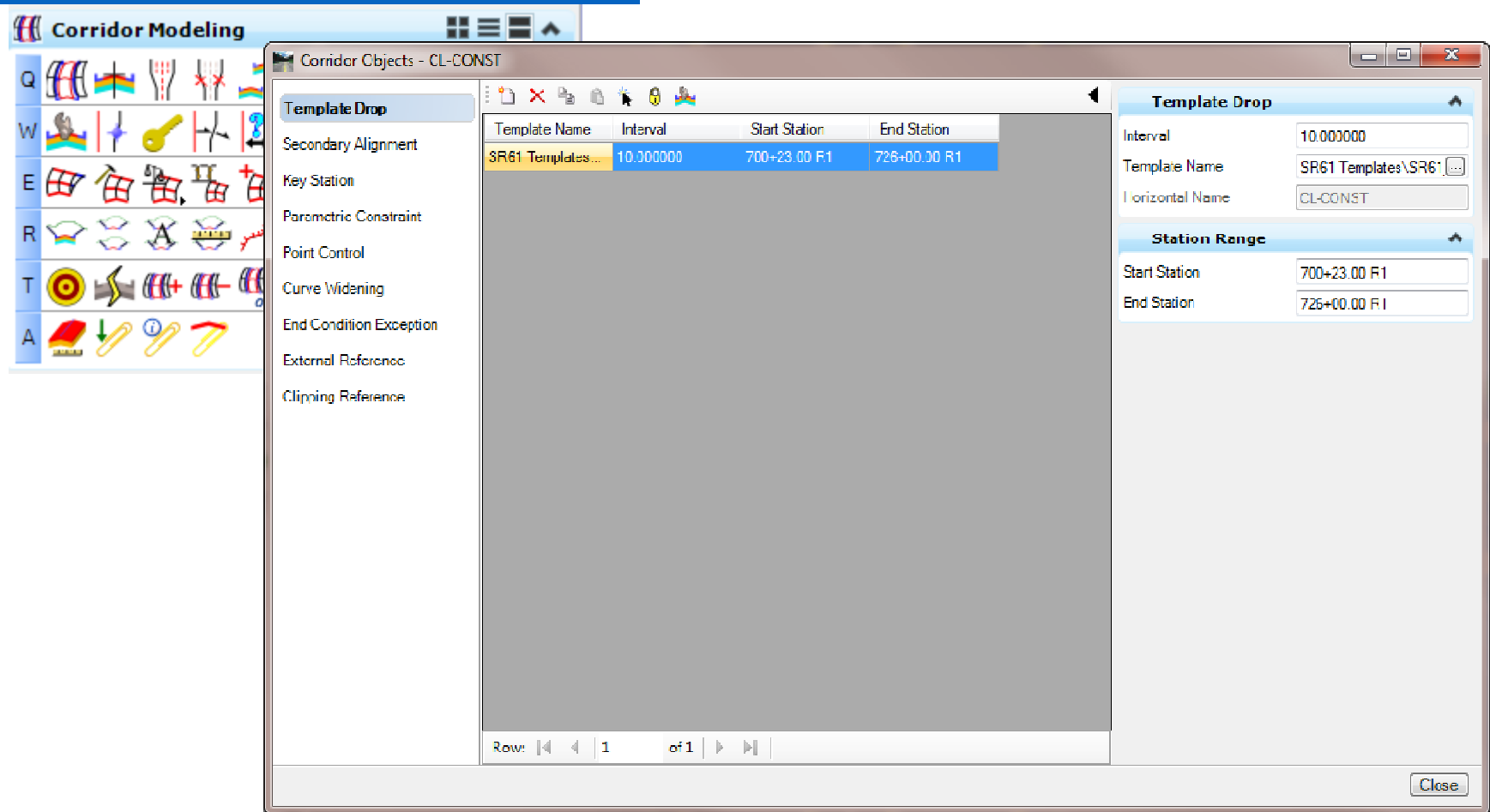


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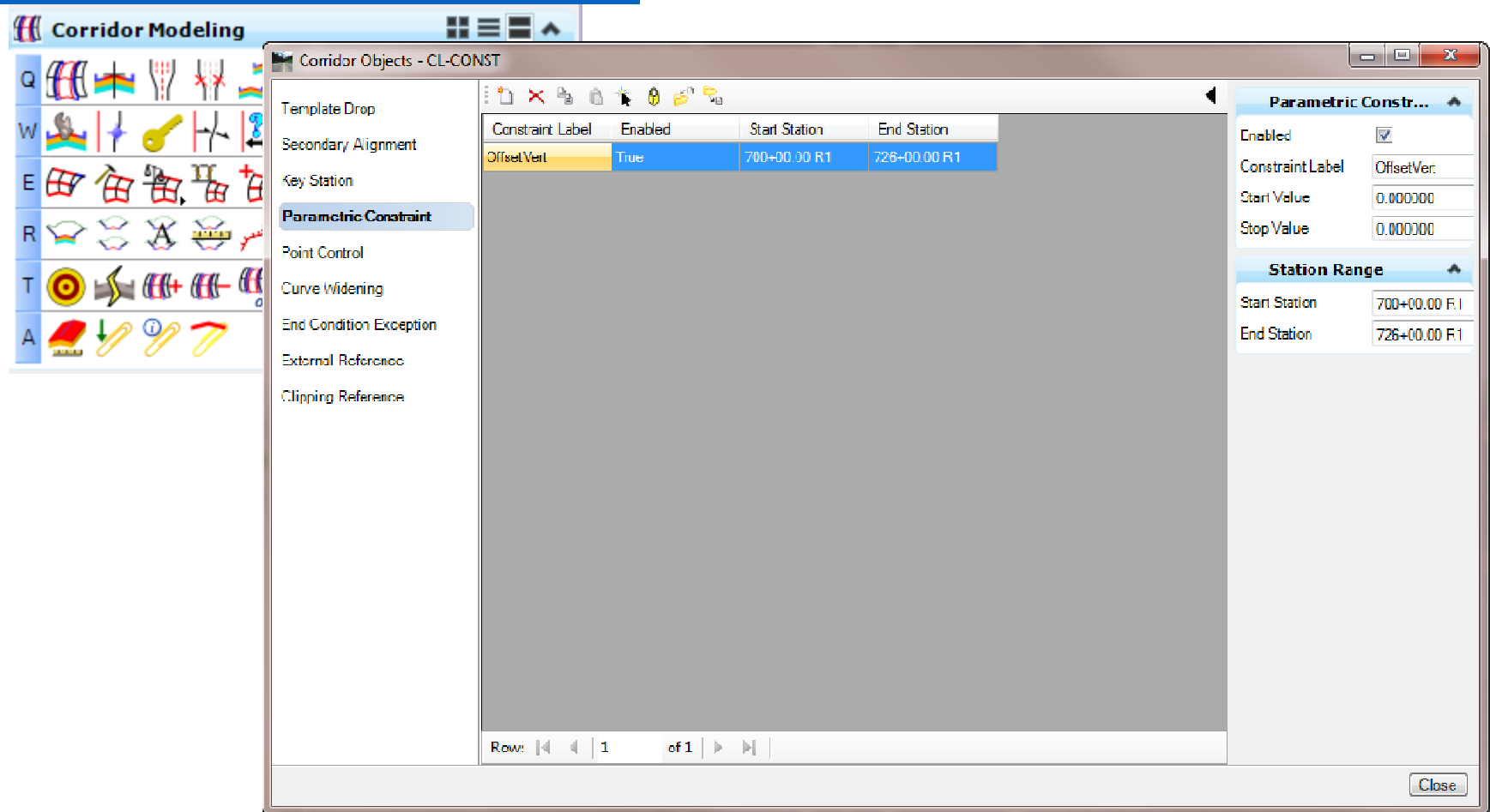
Corridor Objects



Corridor Objects



Corridor Objects



Corridor Objects

Corridor Modeling

Q W E R T A

Corridor Objects - CL-CONST

Template Drop
Secondary Alignment
Key Station
Parametric Constraint
Point Control
Curve Widening
End Condition Exception
External Reference
Clipping Reference

Enabled	Control ...	Point	Mode	Control Type
True		LT_PVT_EOP_OUT	Vertical	Superelevation
True		LT_PVT_EOP_OUT	Vertical	Superelevation
True		LT_PVT_ADJ1_OUT	Vertical	Superelevation
True		LT_PVT_ADJ1_OUT	Vertical	Superelevation
True		RT_PVT_ADJ1_OUT	Vertical	Superelevation
True		RT_PVT_ADJ1_OUT	Vertical	Superelevation
True		RT_PVT_EOP_OUT	Vertical	Superelevation
True		RT_PVT_EOP_OUT	Vertical	Superelevation

Row: 1 of 8

PointControl

Enabled ☒

Control Description

Point LT_PVT_EOP_OUT

Mode Vertical

Control Type Superelevation

Superelevation SR61SUPER-1: LT_2

Reference Point LT_PVT_ADJ1_OUT

Priority 1

Station Range

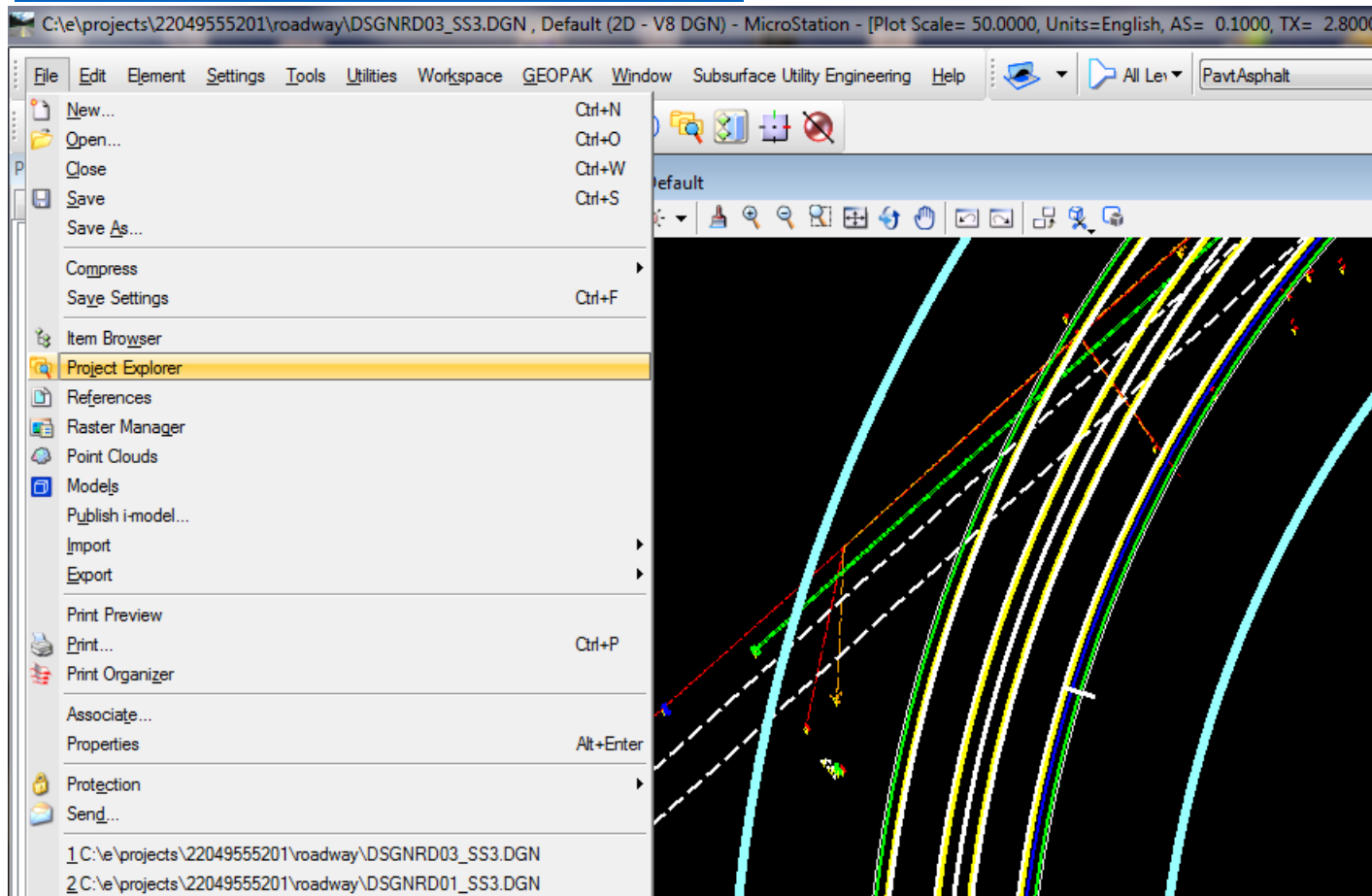
Start Station /00+00.00 R1

End Station 714+80.84 R1

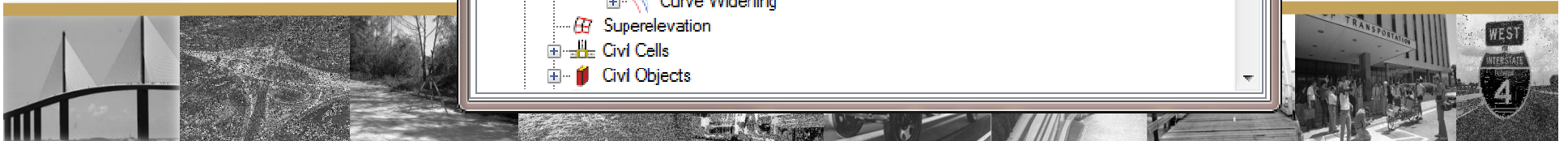
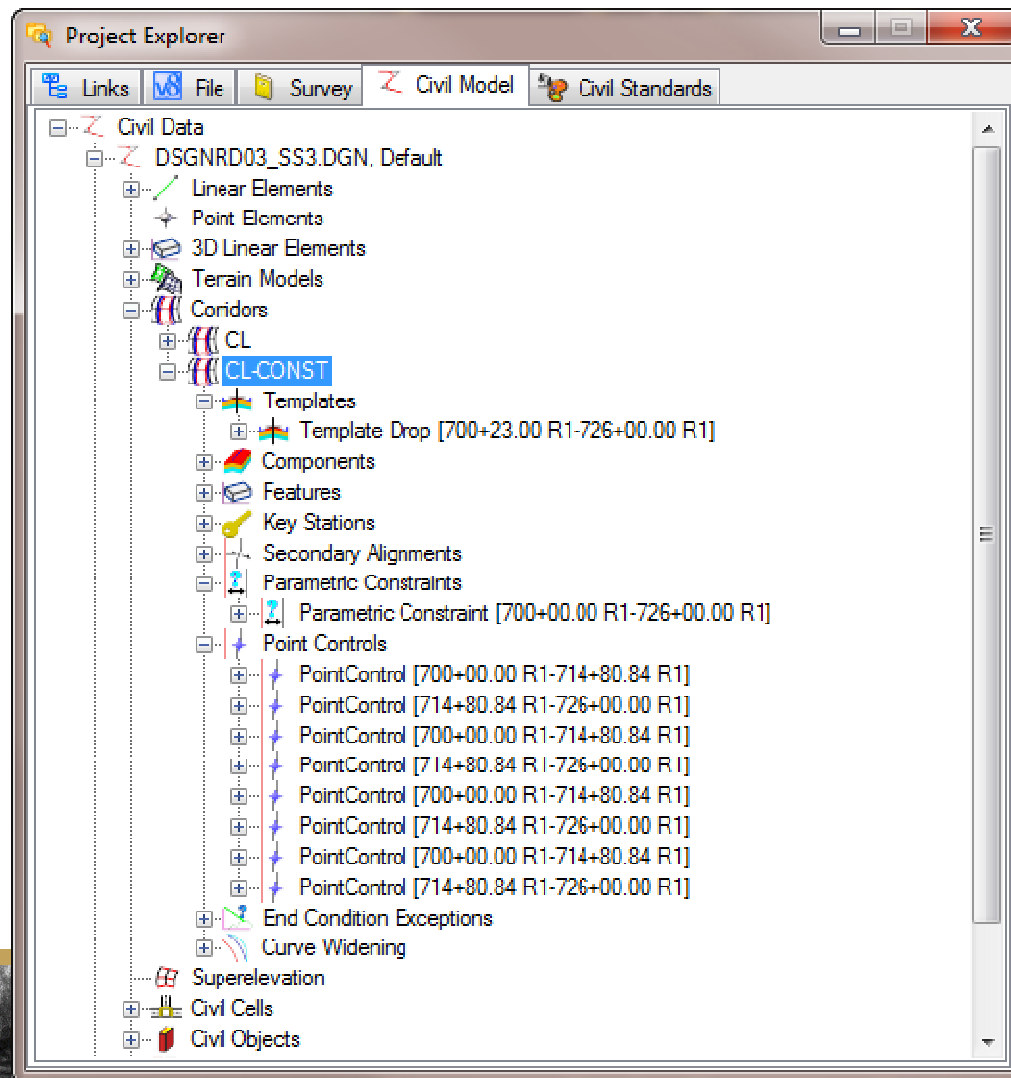
Close



Project Explorer <F11>



Project Explorer



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Contact Information

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